INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

June 13, 2003

TO: Interested Parties / Applicant
RE: Covanta Indaianapolis, Inc. #097-17621-00123
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

FNPERAM.wpd 8/21/02

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

June 13, 2003

Mr. Steve DiLiberto
Covanta Indianapolis, Inc.
2320 South Harding Street
Indianapolis, Indiana 46221

Re: **097-17621**
First Administrative Amendment to
Part 70 097-5985-00123

Dear Mr. DiLiberto:

Covanta Indianapolis, Inc. was issued a permit on March 6, 2003, for a municipal solid waste combustion facility. A letter requesting changes was received on April 25, 2003. The changes are as follows with deleted language as ~~strikeouts~~ and new language **bolded.** Pursuant to the provisions of 326 IAC 2-7-11(a)(1), "Corrects typographical errors" and 326 IAC 2-7-11(a)(7) "Revises descriptive information where the revision will not trigger a new applicable requirement or violate a permit term," the permit is hereby administratively amended as follows:

(a) The NO_X limit in Condition D.1.3(i) does not include an acceptable averaging period. However, Condition D.1.12(h) describes how to determine the daily arithmetic average. Condition D.1.3(i) did not specify that compliance may be demonstrated by a daily average because that is not specified in the applicable rules, though it is implied by 40 CFR 60.33b(d). As requested, in order to clarify that a daily average is acceptable, Condition D.1.3(i) is revised as follows:

(i) Nitrogen oxides - 205 parts per million by volume (ppmv) corrected to seven percent (7%) oxygen, dry basis. **Compliance may be based on the average daily NO_x emissions.**

(b) A typographical error in Condition D.1.17(d)(3) is corrected as follows:

(3) If the test reports recorded under paragraph (a)~~(9)~~**(8)** above, document any particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, hydrogen chloride, and fugitive ash emission levels that were above the applicable pollutant limits, the semiannual report shall include a copy of the test report documenting the emission levels and the corrective actions taken.

(c) Carbon dioxide monitors are not required as part of the Continuous Emission Monitoring Data, unless the oxygen monitors are not operating properly or the Permittee requests that the NO_X, SO_2 or CO limits be determined using carbon dioxide measurements corrected to an equivalent of seven percent (7%) oxygen in accordance with D.1.12. Therefore, the record keeping requirements of Condition D.1.22(i) are corrected to agree with the rest of Section D.1, as follows:

(i) The Permittee shall transfer daily to IDEM and the OES via modems and compatible computer hardware owned, operated and maintained by IDEM and OES respectively, the Facility's continuously monitored raw data for the prior calendar day for all regulated pollutants, temperature, steam flow, ~~carbon dioxide~~ and oxygen **(or carbon dioxide)**. The Permittee shall obtain authorization from its software licensor to allow IDEM and OES to use the software necessary for IDEM and OES to collect and analyze the data and produce reports in the same format as the reports generated by the Permittee and submitted to IDEM and OES. The Permittee further agrees it will provide one day of training for the employees of IDEM and OES with respect to such software.

or

The Permittee alternatively shall give complete electronic access to IDEM and OES via computer connection at any time. The connection shall give IDEM and OES access to all monitoring data. This alternative requirement satisfies Condition D.1.22(i).

(d) Section C - Pressure Gauge and Other Instrument Specifications, was inadvertently not included in the permit, resulting in confusion since that condition is referenced by Conditions D.2.5 and D.3.5. IDEM, OAQ, has determined that Conditions D.2.5 and D.3.5 are required in order to monitor continuous compliance with 326 IAC 6-1 at the silos. The Pressure Gauge and Other Instrument Specifications Condition is added as Condition C.13, and the remainder of Section C has been re-numbered accordingly. The condition is as follows:

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

(e) Since carbon delivery is approximately twice per month, not once per shift, Condition D.3.4(a) has been revised to agree with Condition D.2.4(a), as follows:

(a) ~~Once per shift~~ Visible emission notations of the transfer points exhaust shall be performed during normal daylight operations during the transfer of activated carbon to the storage silo and during the removal of activated carbon from the storage silo to an alternate storage area. A trained employee shall record whether emissions are normal or abnormal.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised Title V Operating Permit, with all modifications and amendments made to it, is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact CarrieAnn Paukowits, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Origainal signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
CAP/MES
cc: File - Marion County
U.S. EPA, Region V
Marion County Health Department
Local Agency - Indianapolis Office of Environmental Services (OES)
Air Compliance Section Inspector - Dick Sekula
Compliance Branch - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.state.in.us/idem

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Covanta Indianapolis, Inc.
2320 South Harding Street
Indianapolis, Indiana 46221

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T097-5985-00123	
Issued by: Original Signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: March 6, 2003 Expiration Date: March 6, 2008

First Administrative Amendment: 097-17621-00123	Conditions Affected: D.1.3, D.1.17, D.1.22, D.3.4, C.13 is added and Section C is re-numbered
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 13, 2003

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

TABLE OF CONTENTS (Continued)

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-(22)]

The Permittee owns and operates a stationary municipal solid waste combustion facility.

Responsible Official:	Steve Diliberto
Source Address:	2320 South Harding Street, Indianapolis, Indiana 46221
Mailing Address:	40 Lane Road, Fairfield, New Jersey 07007
General Source Phone Number:	(317) 634-7367
SIC Code:	4953
County Location:	Marion County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major under PSD; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Three (3) mass burn waterwall municipal solid waste combustion units, identified as EU#1, EU#2, and EU#3, capable of burning solid waste 726 tons per day at 5200 Btu/lb, municipal solid waste only, which is equivalent to 192,440 pounds per hour of steam. Each combustor unit is equipped with two (2) 140 mmBtu per hour natural gas fired burners used for start up, shutdown, and flame stabilization.

(1) The flue gas from each combustion unit is controlled by :

(A) a spray dryer absorber with hydrated lime slurry controlling acid gas, identified as CE1A, CE2A, and CE3A;

(B) fabric filter bags controlling particulates, identified as CE1B, CE2B, and CE3B in parallel; exhausting to stack vents 1, 2, and 3, with CEMS for NO_x, CO, SO_2, O_2, and a COM for opacity.

(C) a Mercury Emissions Control System - comprised of one (1) dry activated carbon storage silo equipped with an integrated baghouse system with a maximum storage capacity of 3,000 cubic feet; three (3) outlet hoppers one for each combustion unit; three (3) surge bins, one for each combustion unit, each equipped with gravimetric feeders for controlling the carbon feed rate to each combustion unit; and three(3) injection trains equipped with pneumatic conveying equipment to transport (blow) the carbon from the feeder to the flue gas duct of each combustion unit.

(D) a Nitrogen Oxide Emission Control System - one (1) selective noncatalytic reduction (SNCR) system comprised of one (1) 20,000 gallon, aqueous ammonia storage tank; two (2) ammonia feed pumps to supply ammonia from the storage tank to the injection nozzle system; and three (3) injection nozzle systems equipped with carrier air blowers.

(2) A Fugitive Ash Emission Control System - one (1) dustmaster fly ash conditioning system comprised of five (5) screw conveyors that convey fly ash from the three (3) scrubber-baghouse units to the ash storage silo; one (1) ash storage silo that batch feeds the fly ash into the dustmaster conditioning system; and one (1) dustmaster fly ash conditioning system that mixes water and fly ash to produce a consistent moisture content that reduces fugitive dust.

(b) Lime Silo equipped with a vent fabric filter for particulate control.

(c) One (1) dry activated carbon storage silo equipped with an integrated baghouse system with a maximum storage capacity of 3,000 cubic feet.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-1-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22).

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modification or amendments of this permit do not affect the expiration date.

B.3 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.7 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)] [326 IAC 2-7-6(6)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Indianapolis Office of Environmental Services
Administrative Building
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall furnish to IDEM, OAQ and Indianapolis Office of Environmental Services (OES) within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ and Indianapolis OES, copies of records required to be kept by this permit.

(c) For information furnished by the Permittee to IDEM, OAQ and Indianapolis OES, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) Noncompliance with any provisions of this permit, except any provision specifically designated as not federally enforceable, constitute a violation of the Clean Air Act.

(c) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee compiles with the applicable requirements set forth in Section B, Emergency Provisions.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement the PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) A copy of the PMP's shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM may require the Permittee to revise its PMPs whenever lack of proper maintenance causes of contributes to any violation. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

B.12 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent either by mail or facsimile:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit has issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Indianapolis Office of Environmental Services
Administrative Building
2700 South Belmont Avenue
Indianapolis, Indiana 46221

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]. The notification by the Permitee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.17 Permit Renewal [326 IAC 2-7-4]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and Indianapolis OES, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a):

For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted compliance is not considered an application form, report or certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, and Indianapolis OES, or U.S. EPA is required.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]
A modification, construction, or reconstruction is governed by 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6] [IA 13-14-2-2]
Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, and U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, any records that must be kept under the conditions of this permit;

(c) Inspect, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit

responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.3 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.

C.4 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited, pursuant to the provision of 40 CFR 61, Subpart M, is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify the IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ if the source submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission units, compliance monitoring for new emission units added through a source modification shall be implemented when operation begins.

C.10 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment. In addition, prompt corrective action shall be initiated whenever indicated. In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, supplemental or intermittent monitoring of the parameter shall be implemented as specified below until such time as the emission monitor system is back in operation.

(1) In the event of a sulfur dioxide outlet monitor failure at the stack, the Permittee shall maintain slurry feed at the rate at which it was being fed prior to the monitor malfunction and will record the slurry feed rate four (4) times an hour.

(2) In the event of nitrogen oxide monitor failure, the Permittee shall maintain ammonia feed at the rate at which it was being fed prior to the monitor malfunction and will record the ammonia feed rate four (4) times an hour.

(3) In the event of carbon monoxide monitor failure, the Permittee shall monitor the oxygen percent four (4) times an hour and maintain the oxygen percent range from 5 to 11 percent. In addition, the four (4) hour average of the municipal waste combustor rooftop thermocouple temperatures must remain greater than or equal to 1155^{O}F, except during combustor startup, shutdown or malfunction.

(4) In the event of an oxygen monitor failure, the second oxygen monitor located at the stack outlet will be used as the backup analyzer immediately.

(b) Nothing in this condition, or in Section D of this permit, shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, and 40 CFR 60 Subpart A, Cb, and Eb.

C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

(b) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(c) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup COM shall be brought online within four (4) hours of shutdown of the primary COM, if possible. If this is not possible, visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of one (1) hour beginning four (4) hours after the start of the malfunction or down time.

(1) If the reading period begins less than one hour before sunset, readings shall be performed until sunset. If the first required reading period would occur between sunset and sunrise, the first reading shall be performed as soon as there is sufficient daylight.

(2) Method 9 opacity readings shall be repeated for a minimum of one (1) hour at least once every four (4) hours during daylight operations, until such time that the continuous opacity monitor is back in operation.

(3) All of the opacity readings during this period shall be reported in the Quarterly Deviation and Compliance Monitoring Reports.

(d) Nothing in this condition, or in Section D of this permit, shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, and 40 CFR 60 Subpart A, Cb, and Eb.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures March 15, 2000.

(b) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(c) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and

All documents submitted pursuant to this condition shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ, may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate estimated actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1) from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

(a) Records of all required data reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation the cause of the deviation, and the response steps taken must be reported. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Indianapolis Environmental Resources Management Division
Administrative Building
2700 South Belmont Avenue
Indianapolis, Indiana 46221

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the calendar quarter. Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(a) Three (3) mass burn waterwall municipal solid waste combustion units, identified as EU#1, EU#2, and EU#3, capable of burning solid waste 726 tons per day at 5200 Btu/lb, municipal solid waste only, which is equivalent to 192,440 pounds per hour of steam. Each combustor unit is equipped with two (2) 140 mmBtu per hour natural gas fired burners used for start up, shutdown, and flame stabilization.

(1) The flue gas from each combustion unit is controlled by :

(A) a spray dryer absorber with hydrated lime slurry controlling acid gas, identified as CE1A, CE2A, and CE3A;

(B) fabric filter bags controlling particulates, identified as CE1B, CE2B, and CE3B in parallel; exhausting to stack vents 1, 2, and 3, with CEMS for NO_x, CO, SO_2, O_2, and a COM for opacity.

(C) a Mercury Emissions Control System - comprised of one (1) dry activated carbon storage silo equipped with an integrated baghouse system with a maximum storage capacity of 3,000 cubic feet; three (3) outlet hoppers one for each combustion unit; three (3) surge bins, one for each combustion unit, each equipped with gravimetric feeders for controlling the carbon feed rate to each combustion unit; and three(3) injection trains equipped with pneumatic conveying equipment to transport (blow) the carbon from the feeder to the flue gas duct of each combustion unit.

(D) a Nitrogen Oxide Emission Control System - one (1) selective noncatalytic reduction (SNCR) system comprised of one (1) 20,000 gallon, aqueous ammonia storage tank; two (2) ammonia feed pumps to supply ammonia from the storage tank to the injection nozzle system; and three (3) injection nozzle systems equipped with carrier air blowers.

(2) A Fugitive Ash Emission Control System - one (1) dustmaster fly ash conditioning system comprised of five (5) screw conveyors that convey fly ash from the scrubber baghouse to the ash storage silo; one (1) ash storage silo that batch feeds the fly ash into the dustmaster conditioning system; and one (1) dustmaster fly ash conditioning system that mixes water and fly ash to produce a consistent moisture content that reduces fugitive dust.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Effective Date of NSPS 40 CFR Part 60, Subpart Cb

All conditions related to 40 CFR 60, Subpart Cb are now effective.

D.1.2 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart Cb and (as referenced within Subpart Cb) specific provisions of Subpart Eb.

D.1.3 Emission Limits [326 IAC 11-7-3][40 CFR 60, Subpart Cb]

Pursuant to 326 IAC 11-7-3; 40 CFR 60.33b, Subpart Cb; and 40 CFR 60.34b, the concentration of pollutants contained in the gases discharged to the atmosphere from the municipal solid waste combustor facility shall not exceed the following limits:

(a) Particulate Matter - 23 milligrams per dry standard cubic meter (mg/dscm), corrected to twelve percent (12%) carbon dioxide.

(b) Opacity - 10% based on a 6-minute average.

(c) Cadmium - 0.040 milligrams per dry standard cubic meter (mg/dscm) corrected to seven percent (7%) oxygen.

(d) Lead - 0.44 milligrams per dry standard cubic meter (mg/dscm) corrected to seven percent (7%) oxygen.

(e) Mercury - 0.080 milligrams per dry standard cubic meter (mg/dscm); or 15% of the potential mercury emissions concentration corrected to seven percent (7%) oxygen whichever is less stringent.

(f) Sulfur dioxide - 29 parts per million by volume (ppmv); or 20% of the potential sulfur dioxide emission concentration corrected to seven percent (7%) oxygen, dry basis, calculated as a 24-hour daily geometric mean whichever is less stringent.

(g) Hydrogen chloride - 29 parts per million by volume (ppmv); or 5% of the potential hydrogen chloride emissions concentration corrected to seven percent (7%) oxygen, dry basis, whichever is less stringent.

(h) Organic emissions (expressed as total mass dioxins/furans) - 30 nanograms per dry standard cubic meter (ng/dscm) (total mass) corrected to seven percent (7%) oxygen. Total mass dioxin/furan emissions are defined as tetra - through octa - chlorinated dibenzo-p-dioxins and dibezofurans (40 CFR 60.51b).

(i) Nitrogen oxides - 205 parts per million by volume (ppmv) corrected to seven percent (7%) oxygen, dry basis. Compliance may be based on the average daily NO_X emissions.

(j) Carbon monoxide - 100 parts per million by volume (ppmv) measured at the combustor outlet in conjunction with a measurement of oxygen concentration, corrected to seven percent (7%) oxygen, dry basis, calculated as an arithmetic mean (based on a 4-hour block averaging time).

Compliance with the particulate limit in Condition D.1.3(a) will also satisfy the particulate limit requirement of 27 milligrams per dry standard cubic meter (mg/dscm), corrected to seven percent (7%) oxygen in 40 CFR 60, Subpart Cb.

Compliance with the particulate limit in Condition D.1.3(a) will also satisfy the particulate limit requirement of 0.07 gram per dry standard cubic meter (g/dscm) (0.03 grains per dry standard cubic foot (gr/dscf) in 326 IAC 6-1-2. The table below is provided primarily for informational purposes. The table contrasts the Permittee's emission limits from its previous operating permit with the source's applicable NSPS limits.

	Emission limits per previous operating permit	**Emission limits per 40 CFR 60.30b, Subpart Cb, and 326 IAC 11-7**

Particulate Matter	0.01 grains per dry standard cubic foot (gr/dscf), corrected to twelve percent (12%) carbon dioxide	23 mg/dscm, corrected to twelve percent (12%) carbon dioxide
Opacity	10% based on an average of twenty-four (24) consecutive observations recorded at fifteen (15) second intervals	10% based on a 6-minute average
Cadmium	(No previous permit limit)	0.040 milligrams per dry standard cubic meter (mg/dscm) corrected to seven percent (7%) oxygen
Lead	0.001 grains per dry standard cubic foot (gr/dscf), corrected to twelve percent (12%) carbon dioxide averaged over a 3-month period	0.44 milligrams per dry standard cubic meter (mg/dscm) corrected to seven percent (7%) oxygen
Mercury	0.00028 grains per dry standard cubic foot (gr/dscf), corrected to twelve percent (12%) carbon dioxide averaged over a 24-hour rolling period	0.080 milligrams per dry standard cubic meter (mg/dscm); or 15% of the potential mercury emissions concentration corrected to seven percent (7%) oxygen whichever is less stringent
Sulfur Dioxide	(i) 30 parts per million by volume (ppmv), corrected to twelve percent (12%) carbon dioxide when the inlet sulfur dioxide concentration is at or below 150 ppmv corrected to 12% carbon dioxide (ii) Twenty (20) percent of the inlet sulfur dioxide concentration when the inlet sulfur dioxide concentration is above 150 ppmv corrected to 12% carbon dioxide (this equates to 80% reduction efficiency) Averaged over rolling 24-hour periods.	29 parts per million by volume (ppmv); or 20% of the potential sulfur dioxide emission concentration corrected to seven percent (7%) oxygen, dry basis, calculated as a 24-hour daily geometric mean whichever is less stringent
Hydrogen Chloride	(i) 30 parts per million by volume (ppmv), corrected to twelve percent (12%) carbon dioxide when inlet hydrogen chloride is at or below 150 ppmv corrected to 12% carbon dioxide (ii) Twenty (20) percent of the inlet hydrogen chloride concentration when the inlet hydrogen chloride concentration is above 150 ppmv corrected to 12% carbon dioxide (this equates to 80% reduction efficiency) Averaged over rolling 8-hour periods.	29 parts per million by volume (ppmv); or 5% of the potential hydrogen chloride emissions concentration corrected to seven percent (7%) oxygen, dry basis, whichever is less stringent
Dioxins/Furans	(No previous permit limit)	30 nanograms per dry standard cubic meter (ng/dscm)(total mass) corrected to seven percent (7%) oxygen
Nitrogen Oxides	272 parts per million by volume (ppmv), corrected to twelve percent (12%) carbon dioxide	205 parts per million by volume (ppmv) corrected to seven percent (7%) oxygen, dry basis
Carbon Monoxide	135 parts per million by volume (ppmv), corrected to twelve percent (12%) carbon dioxide averaged over rolling 8-hour periods	100 parts per million by volume (ppmv) measured at the combustor outlet in conjunction with a measurement of oxygen concentration, corrected to seven percent (7%) oxygen, dry basis, calculated as an arithmetic mean (based on a 4-hour block averaging time)

D.1.4 Incinerators [326 IAC 4-2]

Pursuant to 326 IAC 4-2, the incinerator shall:

(a) consist of primary and secondary chambers or the equivalent;

(b) be equipped with a primary burner unless burning wood products;

(c) comply with 326 IAC 5-1 and 326 IAC 2;

(d) be maintained properly as specified by the manufacturer and approved by the commissioner;

(e) be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner;

(f) comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(g) be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented;

(h) incinerators with a maximum refuse-burning capacity of two hundred (200) or more pounds per hour shall not emit particulate matter in excess of three-tenths (0.3) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air.

(i) not create a nuisance or a fire hazard.

Compliance with Condition D.1.3(a) shall satisfy the requirement of D.1.4(h).

D.1.5 Carbon Monoxide Emission Limits [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2, emissions of carbon monoxide shall be limited to the requirements of 326 IAC 9-1-2(3) unless specific carbon monoxide emission limits have been established in 326 IAC 11, 326 IAC 20, 40 CFR 60, 40 CFR 62, or 40 CFR 63. Compliance with 326 IAC 11-7-3 and 40 CFR 60, Subpart Cb satisfies 326 IAC 9-1-2.

D.1.6 Fugitive Ash Limits [326 IAC 11-7-6] [40 CFR 60, Subpart Cb]

Pursuant to 326 IAC 11-7-6; 40 CFR 60.36b, Subpart Cb; and 40 CFR 60.55b, Subpart Eb as amended by 60FR 45124 (August 25, 1997)

(a) On and after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8 of Subpart A, the Permittee shall not cause to be discharged to the atmosphere visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) in excess of 5 percent of the observation period (i.e., 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations as specified in 40 CFR 60.58b(k), except as provided in paragraphs (b) and (c) below.

(b) The emission limit specified in paragraph (a) above does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, the emission limit specified in paragraph (a) above does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems.

(c) The provisions specified in paragraph (a) above do not apply during maintenance and repair of ash conveying systems.

D.1.7 Operation Practices [326 IAC 11-7-4] [40 CFR 60, Subpart Cb]

Pursuant to 326 IAC 11-7-4 and 40 CFR 60.53b(b) and (c), Subpart Eb, as amended by 60 FR 45124 (August 25, 1997).

(a) Unit Capacity Limits
The Permittee shall not cause the combustors to operate at a load level greater than 110 percent of the maximum demonstrated municipal waste combustor unit load as defined in 40 CFR 60.51b, except as specified in paragraphs (b)(1) and (b)(2) below. The averaging time is specified under 40 CFR 60.58b(i).

(1) During the annual dioxin/furan performance test and the 2 weeks preceding the annual dioxin/furan performance test, no municipal waste combustor unit load limit is applicable.

(2) The municipal waste combustor unit load limit may be waived in accordance with permission granted by the Administrator or delegated State regulatory authority for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving facility performance or advancing the state-of-the-art for controlling facility emissions.

(b) PM Controls
The Permittee shall not cause the combustor to operate at a temperature, measured at the particulate matter control device inlet, exceeding seventeen degrees Celsius (17°C) above the maximum demonstrated particulate matter control device temperature (4-hour block arithmetic average) as defined in 40 CFR 60.51b, except as specified in 40 CFR 60.53b(c)(1) and (c)(2). The averaging time of 4 hours is specified under 40 CFR 60.58b(i). The requirements specified in this paragraph apply to each particulate matter control device utilized at the affected facility.

(1) During the annual dioxin/furan performance test and the 2 weeks preceding the annual dioxin/furan performance test, no particulate matter control device temperature limitations are applicable.

(2) The particulate matter control device temperature limits may be waived in accordance with permission granted by the Administrator or delegated State regulatory authority for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving facility performance or advancing the state-of-the-art for controlling facility emissions.

D.1.8 Municipal Waste Combustors Operator Training and Certification Requirements

Pursuant to 326 IAC 11-7-5, 40 CFR 60.35b, Subpart Cb and 40 CFR 60.54b Subpart Eb, as amended by 60FR 45124 (August 25, 1997):

(a) Each chief facility operator and shift supervisor, employed by the Permittee shall obtain and maintain a current provisional operator certification from either the American Society of Mechanical Engineers [QRO-1-1994 (incorporated by reference--see 40 CFR 60.17 of Subpart A)] or a State certification program.

(b) Each chief facility operator and shift supervisor shall have completed full certification or shall have scheduled a full certification exam with either the American Society of Mechanical Engineers [QRO-1-1994 (incorporated by reference--see 40 CFR 60.17 of Subpart A)] or a State certification program.

(c) The Permittee shall not allow the combustor to be operated at any time unless one of the following persons is on duty and at the affected facility: A fully certified chief facility operator, a provisionally certified chief facility operator who is scheduled to take the full certification exam according to the schedule specified in 40 CFR 60.54b(b), a fully certified shift supervisor, or a provisionally certified shift supervisor who is scheduled to take the full certification exam according to the schedule specified in 40 CFR 60.54b(b).

If one of the persons listed in 40 CFR 60.54b(c) must leave the affected facility during their operating shift, a provisionally certified control room operator who is onsite at the affected facility may fulfill the requirement in 40 CFR 60.54b(c).

(d) All chief facility operators, shift supervisors, and control room operators for the Permittee's combustors must complete the EPA or State municipal waste combustor operator training course no later than compliance date for existing sources is September 1, 1999.

(e) The Permittee shall develop and update on a yearly basis a site-specific operating manual that shall, at a minimum, address the elements of municipal waste combustor unit operation specified in paragraphs (1) through (11) below:

(1) A summary of the applicable standards under 40 CFR 60, Subpart Cb;

(2) A description of basic combustion theory applicable to a municipal waste combustor unit;

(3) Procedures for receiving, handling, and feeding municipal solid waste;

(4) Municipal waste combustor unit startup, shutdown, and malfunction procedures;

(5) Procedures for maintaining proper combustion air supply levels;

(6) Procedures for operating the municipal waste combustor unit within the standards established under 40 CFR 60, Subpart Cb;

(7) Procedures for responding to periodic upset or off-specification conditions;

(8) Procedures for minimizing particulate matter carryover;

(9) Procedures for handling ash;

(10) Procedures for monitoring municipal waste combustor unit emissions; and

(11) Reporting and record keeping procedures.

(f) The Permittee shall establish a training program to review the operating manual according to the schedule specified in paragraphs (f)(1) and (f)(2) of this section with each person who has responsibilities affecting the operation of an affected facility including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers.

(1) Each person specified in paragraph (f) of this section shall undergo initial training no later than the date specified in paragraph (f)(1)(A) or (f)(1)(B) below whichever is later.

(A) September 1, 1999;

(B) The date prior to the day the person assumes responsibilities affecting municipal waste combustor unit operation; or

(C) December 19, 1996.

(2) Annually, following the initial review required by paragraph (f)(1) of this section.

(g) The operating manual required by paragraph (e) of this section shall be kept in a readily accessible location for all persons required to undergo training under paragraph (f) of this section. The operating manual and records of training shall be available for inspection by the EPA or its delegated enforcement agency upon request.

D.1.9 Mass Emission Rates

(a) Pursuant to Construction Permit PSD (49) 1602, issued April 23, 1986, the total non-methane hydrocarbon (VOC) mass emission rate shall not exceed 3.30 pounds per hour and an annual emission rate of 14.45 tons per twelve (12) consecutive months while combusting only municipal waste.

(b) Pursuant to Construction Permit PSD (49) 1602, issued April 23, 1986, nitrogen dioxide mass emission rate shall not exceed 151.2 pounds per hour per combustion unit and an annual emission rate of 662.25 tons per twelve (12) consecutive months while combusting only municipal waste.

(c) Pursuant to Construction Permit PSD (49) 1602, issued April 23, 1986, carbon monoxide mass emission rate shall not exceed 45.4 pounds per hour per combustion unit and an annual emission rate of 198.85 tons per twelve (12) consecutive months while combusting only municipal waste.

(d) Pursuant to Construction Permit PSD (49) 1602, issued April 23, 1986, lead mass emission rate, averaged over a three month period , shall not exceed 2.01 pounds for three (3) combustion units.

(e) Pursuant to Construction Permit PSD (49) 1602, issued April 23, 1986, mercury mass emission rate, averaged over all 24-hour rolling periods, shall not exceed a mass emission rate of 0.54 pounds per hour for the three (3) combustion units.

D.1.10 Natural Gas Capacity

The facility is limited to an annual capacity factor of ten percent (10%) or less for natural gas use.

Compliance with this limit will render the requirements of 40 CFR 60.44b, Subpart Db, not applicable.

D.1.11 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for this facility and the control devices.

Compliance Determination Requirements

D.1.12 Compliance and Performance Testing [326 IAC 11-7-7] [40 CFR 60, Subpart Cb]

Pursuant to Significant Source Modification 097-10550-00123, issued October 13, 1999, 326 IAC 11-7-7, 326 IAC 3-5, 326 IAC 3-6, 40 CFR 60.38b, Subpart Cb, and 40 CFR 60.58b, Subpart Eb as amended by 60FR 45124 (August 25, 1997) unless otherwise specified shall meet the following requirements:

(a) Startup/Shutdown and Malfunction
The provisions for startup, shutdown, and malfunction is provided in paragraphs (a)(1) below.

(1) The standards under this permit apply at all times except during periods of startup, shutdown, or malfunction. Duration of startup, shutdown, or malfunction periods are limited to 3 hours per occurrence, except as provided in paragraph (E) below.

(A) The startup period commences when the affected facility begins the continuous burning of municipal solid waste and does not include any warmup period when the affected facility is combusting fossil fuel or other nonmunicipal solid waste fuel, and no municipal solid waste is being fed to the combustor.

(B) Continuous burning is the continuous, semicontinuous, or batch feeding of municipal solid waste for purposes of waste disposal, energy production, or providing heat to the combustion system in preparation for waste disposal or energy production. The use of municipal solid waste solely to provide thermal protection of the grate or hearth during the startup period

when municipal solid waste is not being fed to the grate is not considered to be continuous burning.

(C) The shutdown period, for the combustor begins when the continuous feeding of solid waste is ceased and the subject unit's feedchute damper is shut. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure that the fires are out and oxygen is seventeen percent (17%) or greater.

(D) Malfunction, as defined under 40 CFR 60.2, is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(E) Pursuant to Section 60.58b(a)(1)(iii); Subpart Cb, as amended by 66 FR 57823 (November 16, 2001), for the purpose of compliance with the carbon monoxide emission limits in Sec.60.53b(a), if a loss of boiler water level control (e.g., boiler waterwall tube failure) or a loss of combustion air control (e.g., loss of combustion air fan, induced draft fan, combustion grate bar failure) is determined to be a malfunction, the duration of the malfunction period is limited to 15 hours per occurrence.

(b) CEMS (oxygen content of flue gas)
The Permittee shall install, calibrate, maintain, and operate a continuous emission monitoring system and record the output of the system for measuring the oxygen content of the flue gas at each location where carbon monoxide, sulfur dioxide, or nitrogen oxides emissions are monitored and shall comply with the test procedures and test methods specified in paragraphs (b)(1) through (b)(5) below.

(1) The span value of the oxygen monitor shall be 25 percent oxygen.

(2) The monitor shall be installed, evaluated, and operated in accordance with 40 CFR 60.13 of Subpart A.

(3) The initial performance evaluation shall be completed no later than 180 days after the date of initial startup of the affected facility, as specified under 40 CFR 60.8 of Subpart A.

(4) The monitor shall conform to Performance Specification 3 in appendix B of 40 CFR Part 60 except for Section 2.3 (relative accuracy requirement).

(5) The quality assurance procedures of appendix F of 40 CFR Part 60 except for Section 5.1.1 (relative accuracy test audit) shall apply to the monitor.

(c) Particulate Matter and Opacity
The procedures and test methods specified in paragraphs (c)(1) through (c)(10) below shall be used to determine compliance with the emission limits for particulate matter and opacity under 40 CFR 60.33b(a)(1) and (a)(2).

(1) The EPA Reference Method 1 shall be used to select sampling site and number of traverse points.

(2) The EPA Reference Method 3, 3A, or 3B, as applicable, shall be used for gas analysis.

(3) The EPA Reference Method 5 shall be used for determining compliance with the particulate matter emission limit. The minimum sample volume shall be 1.7 cubic meters. The probe and filter holder heating systems in the sample train shall be set to provide a gas temperature no greater than 160+/-14 degree Celsius. An oxygen or carbon dioxide measurement shall be obtained simultaneously with each Method 5 run.

(4) The Permittee may request that compliance with the particulate matter emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(5) As specified under 40 CFR 60.8 of Subpart A, all performance tests shall consist of three test runs. The average of the particulate matter emission concentrations from the three test runs is used to determine compliance.

(6) In accordance with paragraphs (c)(7) and (c)(10) of this section, EPA Reference Method 9 shall be used for determining compliance with the opacity limit except as provided under 40 CFR 60.11(e) of Subpart A.

(7) The Permittee shall conduct an initial performance test for particulate matter emissions and opacity as required under 40 CFR 60.8 of Subpart A. (The Permittee has satisfied this condition.) An initial performance test for PM and opacity was conducted on April 17-24, 1992.

(8) The Permittee shall install, calibrate, maintain, and operate a continuous opacity monitoring system for measuring opacity and shall follow the methods and procedures specified in paragraphs (c)(8)(A) through (c)(8)(C) below.

(A) The output of the continuous opacity monitoring system shall be recorded on a 6-minute average basis.

(B) The continuous opacity monitoring system shall be installed, evaluated, and operated in accordance with 40 CFR 60.13 of Subpart A.

(C) The continuous opacity monitoring system shall conform to Performance Specification 1 in Appendix B of this part.

(9) Following the date that the initial performance test for particulate matter is completed or is required to be completed under 40 CFR 60.8 of Subpart A of this part for a combustor, the Permittee shall conduct a performance test for particulate matter on an annual basis (no more than 12 calendar months following the previous performance test).

(10) Following the date that the initial performance test for opacity is completed or is required to be completed under 40 CFR 60.8 of Subpart A for a combustor, the Permittee shall conduct a performance test for opacity on an annual basis (no more than 12 calendar months following the previous performance test) using the test method specified in paragraph (c)(6) of this section.

(d) Cadmium, Lead, and Mercury
The procedures and test methods specified in paragraphs (d)(1) and (d)(2) below shall be used to determine compliance with the emission limits for cadmium, lead, and mercury under 40 CFR 60.33b(a)(2) and (a)(3).

(1) The procedures and test methods specified in paragraphs (d)(1)(A) through (d)(1)(G) below shall be used to determine compliance with the emission limits for cadmium and lead under 40 CFR 60.33b(a)(2).

(A) The EPA Reference Method 1 shall be used for determining the location and number of sampling points.

(B) The EPA Reference Method 3, 3A, or 3B, as applicable, shall be used for flue gas analysis.

(C) The EPA Reference Method 29 shall be used for determining compliance with the cadmium and lead emission limits.

(D) An oxygen or carbon dioxide measurement shall be obtained simultaneously with each Method 29 test run for cadmium and lead required under paragraph (d)(1)(C) of this section.

(E) The Permittee may request that compliance with the cadmium or lead emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(F) All performance tests shall consist of a minimum of three test runs conducted under representative full load operating conditions. The average of the cadmium or lead emission concentrations from three test runs shall be used to determine compliance.

(G) Following the date of the initial performance test or the date on which the initial performance test is required to be completed under 40 CFR 60.8 of Subpart A , the Permittee shall conduct a performance test for compliance with the emission limits for cadmium and lead on an annual basis (no more than 12 calendar months following the previous performance test).

(2) The procedures and test methods specified in paragraphs (d)(2)(A) through (d)(2)(J) below shall be used to determine compliance with the mercury emission limit under 40 CFR 60.33b(a)(3).

(A) The EPA Reference Method 1 shall be used for determining the location and number of sampling points.

(B) The EPA Reference Method 3, 3A, or 3B, as applicable, shall be used for flue gas analysis.

(C) The EPA Reference Method 29 shall be used to determine the mercury emission concentration. The minimum sample volume when using Method 29 for mercury shall be 1.7 cubic meters.

(D) An oxygen (or carbon dioxide) measurement shall be obtained simultaneously with each Method 29 test run for mercury required under paragraph (d)(2)(C) of this section.

(E) The percent reduction in the potential mercury emissions (%PHg) is computed using equation 1:

$$(\%P_{Hg}) = ((E_i - E_o) / E_i) \times 100$$

where:

$\%P_{Hg}$ = percent reduction of the potential mercury emissions achieved.

E_i = potential mercury emission concentration measured at the control device inlet, corrected to 7 percent oxygen (dry basis).

E_o = controlled mercury emission concentration measured at the mercury control device outlet, corrected to 7 percent oxygen (dry basis).

(F) All performance tests shall consist of a minimum of three test runs conducted under representative full load operating conditions. The average of the mercury emission concentrations or percent reductions from three test runs or more is used to determine compliance.

(G) The Permittee may request that compliance with the mercury emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(H) The Permittee shall conduct an initial performance test for mercury emissions as required under 40 CFR 60.8 of Subpart A.

(I) Following the date that the initial performance test for mercury is completed or is required to be completed under 40 CFR 60.8 of Subpart A , the Permittee shall conduct a performance test for mercury emissions on a annual basis (no more than 12 calendar months from the previous performance test).

(J) The Permittee shall follow the procedures specified in paragraph (l) of 40 CFR 60.58b for measuring and calculating carbon usage where activated carbon injection is used to comply with the mercury emission limit.

(e) Sulfur Dioxide

The procedures and test methods specified in paragraphs (e)(1) through (e)(13) of this section shall be used for determining compliance with the sulfur dioxide emission limit under 40 CFR 60.33b(b)(1).

(1) The EPA Reference Method 19, Section 4.3, shall be used to calculate the daily geometric average sulfur dioxide emission concentration.

(2) The EPA Reference Method 19, Section 5.4, shall be used to determine the daily geometric average percent reduction in the potential sulfur dioxide emission concentration.

(3) The Permittee may request that compliance with the sulfur dioxide emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of this section.

(4) The Permittee shall conduct an initial performance test for sulfur dioxide emissions as required under 40 CFR 60.8 of Subpart A. Compliance with the sulfur dioxide emission limit (concentration or percent reduction) shall be determined by using the continuous emission monitoring system specified in paragraph (e)(5) below to

measure sulfur dioxide and calculating a 24-hour daily geometric average emission concentration or a 24-hour daily geometric average percent reduction using EPA Reference Method 19, Sections 4.3 and 5.4, as applicable.

(5) The Permittee shall install, calibrate, maintain, and operate a continuous emission monitoring system for measuring sulfur dioxide emissions discharged to the atmosphere and record the output of the system.

(6) Following the date that the initial performance test for sulfur dioxide is completed or is required to be completed under 40 CFR 60.8 of Subpart A of this part, compliance with the sulfur dioxide emission limit shall be determined based on the 24-hour daily geometric average of the hourly arithmetic average emission concentrations using continuous emission monitoring system outlet data if compliance is based on an emission concentration, or continuous emission monitoring system inlet and outlet data if compliance is based on a percent reduction.

(7) At a minimum, valid continuous monitoring system hourly averages shall be obtained as specified in paragraphs (e)(7)(A) and (e)(7)(B) for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter that the affected facility is combusting municipal solid waste.

(A) At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

(B) Each sulfur dioxide 1-hour arithmetic average shall be corrected to 7 percent oxygen on an hourly basis using the 1-hour arithmetic average of the oxygen (or carbon dioxide) continuous emission monitoring system data.

(8) The 1-hour arithmetic averages required under paragraph (e)(6) of this section shall be expressed in parts per million corrected to 7 percent oxygen (dry basis) and used to calculate the 24-hour daily geometric average emission concentrations and daily geometric average emission percent reductions. The 1-hour arithmetic averages shall be calculated using the data points required under 40 CFR 60.13(e)(2) of Subpart A of this part.

(9) All valid continuous emission monitoring system data shall be used in calculating average emission concentrations and percent reductions even if the minimum continuous emission monitoring system data requirements of paragraph (e)(7) of this section are not met.

(10) The procedures under 40 CFR 60.13 of Subpart A of this part shall be followed for installation, evaluation, and operation of the continuous emission monitoring system.

(11) The continuous emission monitoring system shall be operated according to Performance Specification 2 in Appendix B of 40 CFR Part 60.

(A) During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 2 in Appendix B of 40 CFR Part 60, sulfur dioxide and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified in paragraphs (e)(11)(A)(i) and (e)(11)(B) below.

(i) For sulfur dioxide, EPA Reference Method 6, 6A, or 6C shall be used.

(ii) For oxygen (or carbon dioxide), EPA Reference Method 3, 3A or 3B, as applicable, shall be used.

(B) The span value of the continuous emissions monitoring system at the inlet to the sulfur dioxide control device shall be 125 percent of the maximum estimated hourly potential sulfur dioxide emissions of the municipal waste combustor unit. The span value of the continuous emission monitoring system at the outlet of the sulfur dioxide control device shall be 50 percent of the maximum estimated hourly potential sulfur dioxide emissions of the municipal waste combustor unit.

(12) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 in Appendix F of 40 CFR 60.

(13) When sulfur dioxide emissions data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained by using other monitoring systems as approved by the IDEM, OAQ or EPA Reference Method 19 to provide, as necessary, valid emissions data for a minimum of 75 percent of the hours per day that the affected facility is operated and combusting municipal solid waste for 90 percent of the days per calendar quarter that the affected facility is operated and combusting municipal solid waste.

(f) Hydrogen Chloride
The procedures and test methods specified in paragraphs (f)(1) through (f)(7) of this section shall be used for determining compliance with the hydrogen chloride emission limit under 40 CFR 60.33b(b)(2).

(1) The EPA Reference Method 26 or 26A, as applicable, shall be used to determine the hydrogen chloride emission concentration. The minimum sampling time for Method 26 shall be 1 hour.

(2) An oxygen (or carbon dioxide) measurement shall be obtained simultaneously with each Method 26 test run for hydrogen chloride required by paragraph (f)(1) of this section.

(3) The percent reduction in potential hydrogen chloride emissions (% P_{HCl}) is computed using equation 2:

$$(\%P_{HCl}) = ((E_i - E_o)/ E_i) \times 100$$

where:

$\%P_{HCl}$ =percent reduction of the potential hydrogen chloride emissions achieved.
E_i =potential hydrogen chloride emission concentration measured at the control device inlet, corrected to 7 percent oxygen (dry basis).
E_o =controlled hydrogen chloride emission concentration measured at the control device outlet, corrected to 7 percent oxygen (dry basis).

(4) The Permittee may request that compliance with the hydrogen chloride emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(5) As specified under 40 CFR 60.8 of Subpart A, all performance tests shall consist of the average of three test runs. The average of the hydrogen chloride emission concentrations or percent reductions from the three test runs is used to determine compliance.

(6) The Permittee shall conduct an initial performance test for hydrogen chloride as required under 40 CFR 60.8 of Subpart A.

(7) Following the date that the initial performance test for hydrogen chloride is completed or is required to be completed under 40 CFR 60.8 of Subpart A, the Permittee shall conduct a performance test for hydrogen chloride emissions on an annual basis (no more than 12 calendar months following the previous performance test).

(g) Dioxin/Furan
The procedures and test methods specified in paragraphs (g)(1) through (g)(9) of this section shall be used to determine compliance with the limits for dioxin/furan emissions under 40 CFR 60.33b(c).

(1) The EPA Reference Method 1 shall be used for determining the location and number of sampling points.

(2) The EPA Reference Method 3, 3A, or 3B, as applicable, shall be used for flue gas analysis.

(3) The EPA Reference Method 23 shall be used for determining the dioxin/furan emission concentration.

(A) The minimum sample time shall be 4 hours per test run.

(B) An oxygen (or carbon dioxide) measurement shall be obtained simultaneously with each Method 23 test run for dioxins/furans.

(4) The Permittee shall conduct an initial performance test for dioxin/furan emissions in accordance with paragraph (g)(3) of this section, as required under 40 CFR 60.8 of Subpart A.

(5) Following the date that the initial performance test for dioxins/furans is completed or is required to be completed under 40 CFR 60.8 of Subpart A, the Permittee shall conduct performance tests for dioxin/furan emissions in accordance with paragraph (g)(3) above, according to one of the schedules specified in paragraphs (g)(5)(A) through (g)(5)(B) below.

(A) For affected facilities, performance tests shall be conducted on an annual basis (no more than 12 calendar months following the previous performance test).

(B) Where all performance tests over a 2-year period indicate that dioxin/furan emissions are less than or equal to 15 nanograms per dry standard cubic meter total mass, corrected to 7 percent oxygen, for all combustors located within a municipal waste combustor plant, the Permittee may elect to conduct annual performance tests for one affected facility (i.e., unit) per year at the municipal waste combustor plant. At a minimum , a performance test for dioxin/furan emissions shall be conducted annually (no more than 12 months following the previous performance test) for one affected facility at the municipal waste combustor plant. Each year a different affected facility at the municipal waste combustor plant shall be

tested, and the affected facilities at the plant shall be tested in sequence (e.g., unit 1, unit 2, unit 3, as applicable). If each annual performance test continues to indicate a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter corrected to seven percent (7%) oxygen, the Permittee may continue conducting a performance test on only one affected facility per year. If any annual performance test indicates a dioxin/furan emission level greater then 15 nanograms per dry standard cubic meter corrected to seven percent (7%) oxygen, performance tests thereafter shall be conducted annually on all affected facilities at the plant until all annual performance tests for all affected facilities at the plant over a 2-year period indicate a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter corrected to seven percent (7%) oxygen.

(6) If the Permittee selects to follow the performance testing schedule specified in paragraph (g)(5)(B) of this section then the Permittee shall follow the procedures specified in 40 CFR 60.59b(g)(4) for reporting the selection of this schedule.

(7) The Permittee shall follow the procedures specified in paragraph (k) below for measuring and calculating the carbon usage rate where activated carbon is used to comply with the dioxin/furan emission limits specified in 40 CFR 60.33b(c) or the dioxin/furan emission level specified in paragraph (g)(5)(B) above.

(8) The Permittee may request that compliance with the dioxin/furan emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(9) As specified under 40 CFR 60.8 of Subpart A of this part, all performance tests shall consist of a minimum of three test runs. The average of the dioxin/furan emission concentrations from the three test runs is used to determine compliance.

(h) Nitrogen Oxides

The procedures and test methods specified in paragraphs (h)(1) through (h)(12) of this section shall be used to determine compliance with the nitrogen oxides emission limit for affected facilities under 40 CFR 60.33b(d).

(1) The EPA Reference Method 19, Section 4.1, shall be used for determining the daily arithmetic average nitrogen oxides emission concentration.

(2) A Permittee may request that compliance with the nitrogen oxides emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(3) The Permittee subject to the nitrogen oxides limit under 40 CFR 60.33b(d) shall conduct an initial performance test for nitrogen oxides as required under 40 CFR 60.8 of Subpart A of this part. Compliance with the nitrogen oxides emission limit shall be determined by using the continuous emission monitoring system specified in paragraph (h)(4) of this section for measuring nitrogen oxides and calculating a 24-hour daily arithmetic average emission concentration using EPA Reference Method 19, Section 4.1.

(4) The Permittee subject to the nitrogen oxides emission limit under 40 CFR 60.33b(d) shall install, calibrate, maintain, and operate a continuous emission monitoring

system for measuring nitrogen oxides discharged to the atmosphere, and record the output of the system.

(5) Following the date that the initial performance test for nitrogen oxides is completed or is required to be completed under 40 CFR 60.8 of Subpart A of this part, compliance with the emission limit for nitrogen oxides required under 40 CFR 60.33b(d) shall be determined based on the 24-hour daily arithmetic average of the hourly emission concentrations using continuous emission monitoring system outlet data.

(6) At a minimum, valid continuous emission monitoring system hourly averages shall be obtained as specified in paragraphs (h)(6)(A) and (h)(6)(B) below for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter that the affected facility is combusting municipal solid waste.

(A) At least 2 data points per hour shall be used to calculate each 1-hour arithmetic average.

(B) Each nitrogen oxides 1-hour arithmetic average shall be corrected to 7 percent oxygen on an hourly basis using the 1-hour arithmetic average of the oxygen (or carbon dioxide) continuous emission monitoring system data.

(7) The 1-hour arithmetic averages required by paragraph (h)(5) of 40 CFR 60.58b shall be expressed in parts per million by volume (dry basis) and used to calculate the 24-hour daily arithmetic average concentrations. The 1-hour arithmetic averages shall be calculated using the data points required under 40 CFR 60.13(e)(2) of Subpart A of 40 CFR Part 60.

(8) All valid continuous emission monitoring system data must be used in calculating emission averages even if the minimum continuous emission monitoring system data requirements of paragraph (h)(6) of 40 CFR 60.58b are not met.

(9) The procedures under 40 CFR 60.13 of Subpart A of this part shall be followed for installation, evaluation, and operation of the continuous emission monitoring system.

(10) The Permittee shall operate the continuous emission monitoring system according to Performance Specification 2 in Appendix B of this part and shall follow the procedures and methods specified in paragraphs (h)(10)(A) and (h)(10)(B) of this section.

(A) During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 2 of Appendix B of this part, nitrogen oxides and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified in paragraphs (h)(10)(A)(i) and (h)(10)(B)(i) of this section.

(i) For nitrogen oxides, EPA Reference Method 7, 7A, 7C, 7D, or 7E shall be used.

(ii) For oxygen (or carbon dioxide), EPA Reference Method 3, 3A or 3B, as applicable, shall be used.

(B) The span value of the continuous emission monitoring system shall be 125 percent of the maximum estimated hourly potential nitrogen oxide emissions of the municipal waste combustor unit.

(11) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with procedure 1 in appendix F of 40 CFR 60.

(12) When nitrogen oxides continuous emissions data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained using other monitoring systems as approved by the Administrator or EPA Reference Method 19 to provide, as necessary, valid emissions data for a minimum of 75 percent of the hours per day for 90 percent of the days per calendar quarter the unit is operated and combusting municipal solid waste.

(i) Operating Practices (carbon monoxide, capacity limits, and PM controls)
The procedures specified in paragraphs (i)(1) through (i)(11) below shall be used for determining compliance with the operating requirements under 40 CFR 60.34b.

(1) Compliance with the carbon monoxide emission limits in 40 CFR 60.34b(a) shall be determined using a 4-hour block arithmetic average.

(2) The Permittee shall install, calibrate, maintain, and operate a continuous emission monitoring system for measuring carbon monoxide at the combustor outlet and record the output of the system and shall follow the procedures and methods specified in paragraphs (i)(2)(A) through (i)(2)(C) of this section.

(A) The continuous emission monitoring system shall be operated according to Performance Specification 4A in appendix B of 40 CFR Part 60.

(B) During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 4A in appendix B of 40 CFR Part 60, carbon monoxide and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified in paragraphs (i)(2)(B)(i) and (i)(2)(B)(ii) below.

(i) For carbon monoxide, EPA Reference Method 10, 10A, or 10B shall be used.

(ii) For oxygen (or carbon dioxide), EPA Reference Method 3, 3A or 3B, as applicable, shall be used.

(C) The span value of the continuous emission monitoring system shall be 125 percent of the maximum estimated hourly potential carbon monoxide emissions of the municipal waste combustor unit.

(3) The 4-hour block average specified in paragraphs (i)(1) above shall be calculated from 1-hour arithmetic averages expressed in parts per million by volume corrected to 7 percent oxygen (dry basis). The 1-hour arithmetic averages shall be calculated using the data points generated by the continuous emission monitoring system. At least two data points shall be used to calculate each 1-hour arithmetic average.

(4) A Permittee may request that compliance with the carbon monoxide emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for

the affected facility shall be established as specified in paragraph (b)(6) of 40 CFR 60.58b.

(5) The procedures specified in paragraphs (i)(5)(A) through (i)(5)(D) below shall be used to determine compliance with load level requirements under 40 CFR 60.34b(b).

(A) The Permittee with steam generation capability shall install, calibrate, maintain, and operate a steam flow meter or a feedwater flow meter; measure steam (or feedwater) flow in kilograms per hour (or pounds per hour) on a continuous basis; and record the output of the monitor. Steam (or feedwater) flow shall be calculated in 4-hour block arithmetic averages.

(B) The method included in the ``American Society of Mechanical Engineers Power Test Codes: Test Code for Steam Generating Units, Power Test Code 4.1--1964 (R1991)'' section 4 (incorporated by reference, see 40 CFR 60.17 of Subpart A) shall be used for calculating the steam (or feedwater) flow required under paragraph (i)(5)(A) of this section. The recommendations in ``American Society of Mechanical Engineers Interim Supplement 19.5 on Instruments and Apparatus: Application, Part II of Fluid Meters, 6th edition (1971),'' chapter 4 (incorporated by reference--see 40 CFR 60.17 of Subpart A) shall be followed for design, construction, installation, calibration, and use of nozzles and orifices except as specified in (i)(5)(C) of this section.

(C) Measurement devices such as flow nozzles and orifices are not required to be recalibrated after they are installed.

(D) All signal conversion elements associated with steam (or feedwater flow) measurements must be calibrated according to the manufacturer's instructions before each dioxin/furan performance test, and at least once per year.

(6) To determine compliance with the maximum particulate matter control device temperature requirements under 40 CFR 60.34b(b), the Permittee shall install, calibrate, maintain, and operate a device for measuring on a continuous basis the temperature of the flue gas stream at the inlet to each particulate matter control device utilized by the affected facility. Temperature shall be calculated in 4-hour block arithmetic averages.

(7) The maximum demonstrated municipal waste combustor unit load shall be determined during the initial performance test for dioxins/furans and each subsequent performance test during which compliance with the dioxin/furan emission limit specified in 40 CFR 60.33b(c) is achieved. The maximum demonstrated municipal waste combustor unit load shall be the highest 4-hour arithmetic average load achieved during four consecutive hours during the most recent test during which compliance with the dioxin/furan emission limit was achieved.

(8) For each particulate matter control device employed at the affected facility, the maximum demonstrated particulate matter control device temperature shall be determined during the initial performance test for dioxins/furans and each subsequent performance test during which compliance with the dioxin/furan emission limit specified in 40 CFR 60.33b(c) is achieved. The maximum demonstrated particulate matter control device temperature shall be the highest 4-hour arithmetic average temperature achieved at the particulate matter control

device inlet during four consecutive hours during the most recent test during which compliance with the dioxin/furan limit was achieved.

(9) At a minimum, valid continuous emission monitoring system hourly averages shall be obtained as specified in paragraphs (i)(9)(A) and (i)(9)(B) below for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter that the affected facility is combusting municipal solid waste.

(A) At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

(B) At a minimum, each carbon monoxide 1-hour arithmetic average shall be corrected to 7 percent oxygen on an hourly basis using the 1-hour arithmetic average of the oxygen (or carbon dioxide) continuous emission monitoring system data.

(10) All valid continuous emission monitoring system data must be used in calculating the parameters specified under paragraph (i) of 40 CFR 60.58b even if the minimum data requirements of paragraph (i)(9) above are not met. When carbon monoxide continuous emission data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained using other monitoring systems as approved by the Administrator or EPA Reference Method 10 to provide, as necessary, the minimum valid emission data.

(11) Quarterly accuracy determinations and daily calibration drift tests for the carbon monoxide continuous emission monitoring system shall be performed in accordance with procedure 1 in appendix F of 40 CFR 60.

(j) Fugitive Ash Emissions
The procedures specified in paragraphs (j)(1) through (j)(4) below shall be used for determining compliance with the fugitive ash emission limit under 40 CFR 60.55b.

(1) The EPA Reference Method 22 shall be used for determining compliance with the fugitive ash emission limit under 40 CFR 60.55b. The minimum observation time shall be a series of three 1-hour observations. The observation period shall include times when the facility is transferring ash from the municipal waste combustor unit to the area where ash is stored or loaded into containers or trucks.

(2) The average duration of visible emissions per hour shall be calculated from the three 1-hour observations. The average shall be used to determine compliance with 40 CFR 60.55b.

(3) The Permittee shall conduct an initial performance test for fugitive ash emissions as required under 40 CFR 60.8 of Subpart A of 40 CFR Part 60.

(4) Following the date that the initial performance test for fugitive ash emissions is completed under 40 CFR 60.8 of Subpart A of 40 CFR Part 60 for an affected facility, the Permittee shall conduct a performance test for fugitive ash emissions on an annual basis (no more than 12 calendar months following the previous performance test).

(k) Carbon Injection
The Permittee shall follow the procedures specified in paragraphs (k)(1) through (k)(3) below where activated carbon injection is used to comply with the mercury emission limit under 40 CFR 60.33b(a), or the dioxin/furan emission limits under 40 CFR 60.33b(c), or the dioxin/furan emission level specified in 40 CFR 60.38b(b).

(1) During the performance tests for dioxins/furans and mercury, as applicable, the Permittee shall estimate an average carbon mass feed rate based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper refill frequency, or other parameters appropriate to the feed system being employed, as specified in paragraphs (k)(1)(A) and (k)(1)(B) below.

(A) An average carbon mass feed rate in pounds per hour shall be estimated on the average time period of all the test runs during the most recent performance test for mercury emissions and each subsequent performance test for mercury emissions.

(B) An average carbon mass feed rate in pounds per hour shall be estimated on the average time period of all the test runs during the most recent performance test for dioxin/furan emissions and each subsequent performance test for dioxin/furan emissions.

(2) During operation of the affected facility, the carbon injection system operating parameter(s) that are the primary indicator(s) of the carbon mass feed rate (e.g., screw feeder setting) must equal or exceed the level(s) documented during the performance tests specified under paragraphs (k)(1)(A) and (k)(1)(B) above.

(3) The Permittee shall estimate the total carbon usage of the plant (kilograms or pounds) for each calendar quarter by two independent methods, according to the procedures in paragraphs (k)(3)(A) and (k)(3)(B) below.

(A) The weight of carbon delivered to the plant.

(B) Estimate the average carbon mass feed rate in pounds per hour for each hour of operation for each affected facility based on the parameters specified under paragraph (k)(1) above, and sum the results for all affected facilities at the plant for the total number of hours of operation during the calendar quarter.

The Permittee intends to utilize a gravimetric feeder or equivalent to estimate carbon mass feed rate as an average based on the average time period of all the test runs during the most recent performance test for the carbon injection system to comply with the mercury emission limit under 40 CFR 60.33b(a), or the dioxin/furan emission limits under 40 CFR 60.33b(c), or the dioxin/furan emission level specified in 40 CFR 60.38b(b).

D.1.13 Operation of Equipment [326 IAC 2-7-6(6)]

(a) The selective noncatalytic reduction (SNCR) system for NOx control shall be in operation and control emissions from the municipal waste combustors at all times when the facility is in operation.

(b) Pursuant to Installation Permit, issued March 25, 1986 and Operation Permit, issued May 12, the Permittee shall operate the spray dryer absorber and the fabric filter prior to charging any MSW, during combustion of material and during shutdown until all material remaining on the grate is combusted.

(c) Pursuant to Installation Permit, issued March 25, 1986 and Operation Permit, issued May 12, 1989, the Permittee shall operate continuous monitoring equipment for sulfur dioxide, oxygen, and carbon monoxide at the economizer outlet, and sulfur dioxide and opacity at the fabric filter outlet.

(d) Pursuant to Installation Permit, issued March 25, 1986 and Operation Permit, issued May 12, 1989, primary combustion air shall be drawn from the tipping floor maintaining a negative air pressure in the building containing the tipping floor and receiving pit.

D.1.14 Mercury Emissions Control System [326 IAC 2-7-6(6)]

The carbon injection system for mercury control shall be in operation and control emissions from the municipal waste combustors at all times when the facility is in operation.

D.1.15 Testing Requirement [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

The Permittee shall perform PM, opacity, Cadmium, Lead, Mercury, Dioxin/Furan, and HCl testing as required by 40 CFR 60, Subpart Cb, and 326 IAC 11-7, as specified in Condition D.1.12.

Compliance Monitoring Requirements

D.1.16 Monitoring of Operations

Pursuant to 40 CFR 60.50, Subpart E, the Permittee shall record the daily charging rates and hours of operation.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.17 Record Keeping and Reporting Requirements for NSPS

Record Keeping

Pursuant to 326 IAC 11-7-8, 326 IAC 3-5, 40 CFR 60.39b, Subpart Cb, and 40 CFR 60.59, Subpart Eb, as amended by 60FR 45124 (August 25, 1997)

(a) The Permittee subject to the standards under Sect. 60.52b, 60.53b, 60.54b, 60.55b, and 60.57b shall maintain records of the information specified in paragraphs (a)(1) through (a)(12) below, as applicable, for each affected facility for a period of at least 5 years.

(1) The calendar date of each record.

(2) The emission concentrations and parameters measured using continuous monitoring systems as specified under paragraphs (a)(2)(A) and (a)(2)(B) below.

(A) The measurements specified in paragraphs (a)(2)(A)(i) through (a)(2)(A)(iv) of this section shall be recorded and be available for submittal to the Administrator or review onsite by an inspector.

(i) All 6-minute average opacity levels as specified under Sec. 60.58b(c).

(ii) All 1-hour average sulfur dioxide emission concentrations as specified under Sec. 60.58b(e).

(iii) All 1-hour average nitrogen oxides emission concentrations as specified under Sec. 60.58b(h).

(iv) All 1-hour average carbon monoxide emission concentrations, municipal waste combustor unit load measurements, and particulate matter control device inlet temperatures as specified under Sec. 60.58b(i).

(B) The average concentrations and percent reductions, as applicable, specified in paragraphs (a)(2)(B)(i) through (a)(2)(B)(iv) of this section shall be computed and recorded, and shall be available for submittal to the Administrator or review on-site by an inspector.

(i) All 24-hour daily geometric average sulfur dioxide emission concentrations and all 24-hour daily geometric average percent reductions in sulfur dioxide emissions as specified under Sec. 60.58b(e).

(ii) All 24-hour daily arithmetic average nitrogen oxides emission concentrations as specified under Sec. 60.58b(h).

(iii) All 4-hour block arithmetic average carbon monoxide emission concentrations, as applicable, as specified under Sec. 60.58b(i).

(iv) All 4-hour block arithmetic average municipal waste combustor unit load levels and particulate matter control device inlet temperatures as specified under Sec. 60.58b(i).

(3) Identification of the calendar dates when any of the average emission concentrations, percent reductions, or operating parameters recorded under paragraphs (a)(2)(B)(i) through (a)(2)(B)(iv) above, or the opacity levels recorded under paragraph (a)(2)(A)(i) above are above the applicable limits, with reasons for such exceedances and a description of corrective actions taken.

(4) For affected facilities that apply activated carbon for mercury or dioxin/furan control, the records specified in paragraphs (a)(4)(A) through (a)(4)(E) below.

(A) The average carbon mass feed rate (in pounds per hour) estimated as required under Sec. 60.58b(m)(1)(i) is estimated as an average based on the total time period of all the test runs during the initial mercury performance test and all subsequent annual performance tests, with supporting calculations.

(B) The average carbon mass feed rate (in pounds per hour) estimated as required under Sec. 60.58b(m)(1)(ii) is estimated as an average based on the total time period of all the test runs during the initial dioxin/furan performance test and all subsequent annual performance tests, with supporting calculations.

(C) The average carbon mass feed rate (in pounds per hour) estimated for each hour of operation as required under Sec. 60.58b(m)(3)(ii), with supporting calculations.

(D) The total carbon usage for each calendar quarter estimated as specified by paragraph 60.58b(m)(3), with supporting calculations.

(E) Carbon injection system operating parameter data for the parameter(s) that are the primary indicator(s) of carbon feed rate (e.g., screw feeder speed).

The Permittee intends to utilize a gravimetric feeder or equivalent to estimate carbon mass feed rate estimated as an average based on the total time period of all the test runs during the most recent performance test for the carbon injection system.

(5) Identification of the calendar dates for which the minimum number of hours of any of the data specified in paragraphs (a)(5)(A) through (a)(5)(E) below have not been obtained including reasons for not obtaining sufficient data and a description of corrective actions taken.

(A) Sulfur dioxide emissions data;

(B) Nitrogen oxides emissions data;

(C) Carbon monoxide emissions data;

(D) Municipal waste combustor unit load (steam flow) data; and

(E) Particulate matter control device temperature data.

(6) Identification of each occurrence that sulfur dioxide emissions data, nitrogen oxides emissions data, or operational data (i.e., carbon monoxide emissions, unit load, and particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters, and the reasons for excluding the data.

(7) The results of daily drift tests and quarterly accuracy determinations for sulfur dioxide, nitrogen oxides, and carbon monoxide continuous emission monitoring systems, as required under appendix F of 40 CFR Part 60, procedure 1.

(8) The test reports documenting the results of the initial performance test and all annual performance tests listed in paragraphs (a)(8)(A) and (a)(8)(B) below shall be recorded along with supporting calculations.

(A) The results of the initial performance test and all annual performance tests conducted to determine compliance with the particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, hydrogen chloride, and fugitive ash emission limits.

(B) For the initial dioxin/furan performance test and all subsequent dioxin/furan performance tests recorded under paragraph (a)(8)(A) above, the maximum demonstrated municipal waste combustor unit load and maximum demonstrated particulate matter control device temperature (for each particulate matter control device).

(9) The records specified in paragraphs (a)(9)(A) through (a)(9)(C) below.

(A) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have been provisionally certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program as required by Sec. 60.54b(a) including the dates of initial and renewal certifications and documentation of current certification.

(B) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have been fully certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program as required by Sec. 60.54b(b) including the dates of initial and renewal certifications and documentation of current certification.

(C) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have completed the EPA municipal waste combustor operator training course or a State-approved equivalent course as required by Sec. 60.54b(d) including documentation of training completion.

(10) Records showing the names of persons who have completed a review of the operating manual as required by Sec. 60.54b(f) including the date of the initial review and subsequent annual reviews.

(11) For affected facilities that apply activated carbon for mercury or dioxin/furan control, identification of the calendar dates when the average carbon mass feed rates recorded under (a)(4)(C) above were less than either of the hourly carbon feed rates estimated during performance tests for mercury or dioxin/furan emissions and recorded under paragraphs (a)(4)(A) and (a)(4)(B) above, respectively, with reasons for such feed rates and a description of corrective actions taken.

(12) For affected facilities that apply activated carbon for mercury or dioxin/furan control, identification of the calendar dates when the carbon injection system operating parameter(s) that are the primary indicator(s) of carbon mass feed rate (e.g., screw feeder speed) recorded under paragraph (a)(4)(E) above are below the level(s) estimated during the performance tests as specified in Sec. 60.58b(m)(1)(i) and Sec. 60.58b(m)(1)(ii) of this section, with reasons for such occurrences and a description of corrective actions taken.

Reporting Requirements
Pursuant to 326 IAC 11-7-8, 326 IAC 3-5, 40 CFR 60.39b, Subpart Cb, and 40 CFR 60.59b, Subpart Eb, as amended by 60FR 45124 (August 25, 1997)

(b) The Permittee shall submit the information specified in paragraphs (b)(1) through (b)(6) of this section in the initial performance test report.

(1) The initial performance test data as recorded under paragraphs (a)(2)(B)(i) through (a)(2)(B)(iv) above for the initial performance test for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load level, and particulate matter control device inlet temperature.

(2) The test report documenting the initial performance test recorded under paragraph (a)(9) above for particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, hydrogen chloride, and fugitive ash emissions.

(3) The performance evaluation of the continuous emission monitoring system using the applicable performance specifications in appendix B of this part.

(4) The maximum demonstrated municipal waste combustor unit load and maximum demonstrated particulate matter control device inlet temperature(s) established during the initial dioxin/furan performance test as recorded under paragraph (a)(9) above.

(5) For affected facilities that apply activated carbon injection for mercury control, the Permittee shall submit the average carbon mass feed rate recorded as an average based on the total time period of all the test runs during the most recent performance under paragraph (a)(4)(A) above.

(6) For those affected facilities that apply activated carbon injection for dioxin/furan control, the Permittee shall submit the average carbon mass feed rate recorded as a block average based on the total time period of all the test runs during the most recent performance test under paragraph (a)(4)(B) above.

(c) Following the first year of municipal combustor operation, the Permittee shall submit an annual report including the information specified in paragraphs (c)(1) through (c)(4) below, as applicable, no later than February 1 of each year following the calendar year in which the data were collected (once the unit is subject to permitting requirements under Title V of the Act, the Permittee must submit these reports semiannually).

(1) A summary of data collected for all pollutants and parameters regulated under this Subpart, which includes the information specified in paragraphs (c)(1)(A) through (c)(1)(E) below.

(A) A list of the particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, hydrogen chloride, and fugitive ash emission levels achieved during the performance tests recorded under paragraph (a)(8) above.

(B) A list of the highest emission level recorded for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load level, and particulate matter control device inlet temperature based on the data recorded under paragraphs (a)(2)(B)(i) through (a)(2)(B)(iv) above.

(C) List the highest opacity level measured, based on the data recorded under paragraph (a)(2)(A)(i) above.

(D) The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device temperature data were not obtained based on the data recorded under paragraph (a)(6) above.

(E) The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device temperature were excluded from the calculation of average emission concentrations or parameters based on the data recorded under paragraph (a)(6) above.

(2) The summary of data reported under paragraph (c)(1) above shall also provide the types of data specified in paragraphs (c)(1)(A) through (c)(1)(E) above for the calendar year preceding the year being reported, in order to provide the Administrator and IDEM, OAQ, and Indianapolis OES, with a summary of the performance of the affected facility over a 2-year period.

(3) The summary of data including the information specified in paragraphs (c)(1) and (c)(2) above shall highlight any emission or parameter levels that did not achieve the emission or parameter limits specified under this Subpart.

(4) A notification of intent to begin the reduced dioxin/furan performance testing schedule specified in Sec. 60.58b(c)(5)(iii) of this section during the following calendar year.

(d) The Permittee shall submit a semiannual report that includes the information specified in paragraphs (d)(1) through (d)(5) below for any recorded pollutant or parameter that does not comply with the pollutant or parameter limit specified under this Subpart, according to the schedule specified under paragraph (d)(6) below.

(1) The semiannual report shall include information recorded under paragraph (a)(3) above for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load level, particulate matter control device inlet temperature, and opacity.

(2) For each date recorded as required by paragraph (a)(3) above and reported as required by paragraph (d)(1) above, the semiannual report shall include the sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load level, particulate matter control device inlet temperature, or opacity data, as applicable, recorded under paragraphs (a)(2)(B)(i) through (a)(2)(B)(iv) and (a)(2)(A)(i) above, as applicable.

(3) If the test reports recorded under paragraph (a)(8) above, document any particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, hydrogen chloride, and fugitive ash emission levels that were above the applicable pollutant limits, the semiannual report shall include a copy of the test report documenting the emission levels and the corrective actions taken.

(4) The semiannual report shall include the information recorded under paragraph (a)(12) above for the carbon injection system operating parameter(s) that are the primary indicator(s) of carbon mass feed rate.

(5) For each operating date reported as required by paragraph (d)(4) above, the semiannual report shall include the carbon feed rate data recorded under paragraph (a)(4)(C) above.

(6) Semiannual reports required by paragraph (d) of this section shall be submitted according to the schedule specified in paragraphs (d)(6)(A) and (d)(6)(B) below.

(A) If the data reported in accordance with paragraphs (d)(1) through (d)(5) above were collected during the first calendar half, then the report shall be submitted by August 1 following the first calendar half.

(B) If the data reported in accordance with paragraphs (d)(1) through (d)(5) above were collected during the second calendar half, then the report shall be submitted by February 1 following the second calendar half.

(e) All reports specified under paragraphs (a), (b), (c), (d), (e), and (f), (if applicable) of this section shall be submitted as a paper copy, postmarked on or before the submittal dates specified under these paragraphs, and maintained onsite as a paper copy for a period of 5 years.

(f) All records specified under paragraphs (a) and (b) of this section shall be maintained onsite in either paper copy or computer-readable format, unless an alternative format is approved by the Administrator.

(g) If the Permittee would prefer a different annual or semiannual date for submitting the periodic reports required by paragraphs (b), (c) and (d) above, then the dates may be changed by mutual agreement between the Permittee and the Administrator according to the procedures specified in Sec. 60.19(c) of Subpart A of 40 CFR 60.

D.1.18 Record Keeping Requirements - Municipal Waste

Pursuant to Significant Source Modification 097-10550-00123, issued October 13, 1999:

(a) In order to document compliance with Condition D.1.9, the Permittee shall maintain records of the total amount of municipal waste combusted at the facility in tons per month.

(b) In order to document compliance with Condition D.1.10, the Permittee shall record and maintain the amount of natural gas combusted during each day and calculate the annual capacity factor for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

(c) In order to document compliance with Condition D.1.16, the Permittee shall record the daily charging rates and hours of operation.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Additional Special Requirements

If duplicate requirements are found between the incorporated sections of the Consent Decree filed January 12, 1993 and 40 CFR 60, Subpart Cb, the Permittee shall meet the more stringent requirement between the Consent Decree and the Part 70 Operating Permit. There are additional requirements specified from a Consent Decree filed January 12, 1993, Cause number 49F12-9110-OV-2155 that are carried over into the Part 70 Permit. The conditions not carried over from the Consent Decree were either satisfied or were not

required by the consent decree to be incorporated into the Part 70 permit. These special requirements of the Consent Decree that are carried over into the Part 70 Permit are not federally enforceable.

D.1.19 Operation and Maintenance Plan

Pursuant to the Consent Decree filed January 12, 1993, for Cause number 49F12-9110-OV-2155, Section G, Paragraphs 1 and 5:

(a) Whenever a boiler tube failure, ash plug, broken grate bar, decrease in expected bag performance, or scrubber failure occurs, or a work practice causes any of the foregoing or is demonstrated to adversely impact the Facility's ability to meet the terms and conditions of the Permit, the Permittee shall reevaluate the applicable provisions of its O & M Plan required in D.1.19(b) to determine if any changes in such provisions, including work practices, are required, and shall report to IDEM the results of the reevaluations noted below. The Permittee shall notify IDEM, OAQ and OES, in writing within thirty (30) days prior to implementing revisions to the O & M Plan.

(b) The Permittee shall combine all current operation and preventative maintenance plans, including the Baghouse/Scrubber Preventive Maintenance Plan, Boiler Operation and Maintenance Plan and the Maintenance Management System, into one plan to be described as the Operation and Maintenance Plan (O & M Plan), containing sections on (1) Maintenance Management System, (2) Auxiliary Burner, (3) Martin Stoker/Ash Discharger, (4) Waste Feed, (5) Boiler, and (6) Baghouse/Scrubber. Each section shall describe the applicable work practices to assure the proper operation of the applicable equipment and systems which may impact air emissions from the Facility and shall describe or reference related work orders for such equipment and systems included in the Prefix or equivalent system described in the Maintenance Management System section of the O & M Plan. The permittee has satisfied this condition.

D.1.20 Sulfur Dioxide

Pursuant to Consent Decree filed January 12, 1993, Cause number 49F12-9110-OV-2155, Section D, Paragraph 1, the Permittee shall keep the acid gas scrubber for each unit in service whenever municipal solid waste is on the grate for that unit.

D.1.21 Substantive Provisions

(a) Baghouse

Pursuant to Consent Decree Section B, Paragraph 2, Cause number 49F12-9110-OV-2155, the Permittee shall not bypass the baghouse for a Unit while municipal solid waste is on the grate unless necessary to avoid an explosive or other dangerous situation which could result in structural or major damage to any equipment of the Facility impairing the use of such equipment, or injury to personnel working at or near the Facility. Structural or major damage to any equipment of the Facility does not include damage to or destruction of bags. The Permittee shall bear the burden of demonstrating the need for the bypass. Within ten (10) days of a bypass incident, the Permittee shall submit a written report to the OES and IDEM detailing the length of the bypass incident, the operating parameters at the time of the bypass, including but not limited to flue gas inlet temperature to the baghouse and differential pressure across the baghouse, and the conditions or reasons necessitating the bypass.

(b) Good Combustion Practices

Pursuant to Consent Decree Section B, Para. 3 Cause number 49F12-9110-OV-2155, Because the furnace boiler tube thinning may be attributable to fireside corrosion stemming from acid gases and corrosive salts, providing a catalyst for boiler tube failure. Covanta Indianapolis, Inc. shall, within thirty (30) days after the effective date of this Consent Decree, conduct a review of the boiler operation to determine the optimum operation to reduce boiler tube thinning and to establish procedure to ensure that the optimum boiler operation can be consistently maintained. The following will be addressed in such review:

(1) Training. Operating personnel have increased the number of furnace observations made at regularly scheduled intervals, as part of their normal "walk-downs". In addition, an operator/shift supervisor training program, geared toward optimum combustion control and stoker operation, will continue to be implemented.

D.1.22 Record Keeping and Reporting Requirements for Consent Decree

Pursuant to Consent Decree filed January 12, 1993, Cause number 49F12-9110-OV-2155, Section F paragraphs 1 through 5 and paragraph 9:

(a) The Permittee shall submit the following information to both IDEM and the OES in a monthly report:

(1) All permit exceedances

(2) Unit downtime as defined by 40 CFR 60, Subpart Cb

(3) CEMs downtime as defined by 40 CFR 60, Subpart Cb

(4) Highest outlet SO2 concentration

(5) Highest outlet CO concentration

(6) Average feedwater flow rate, per unit (klb/day)

(7) Total export steam output (klb/day)

(8) Material charged, per unit (ton/day)

(b) In addition to the monthly report, for each instance of an exceedance of an emission limit in the Permits, the Permittee shall submit to IDEM and the OES, the following:

(1) Monitoring data (raw, corrected and averaged values) for that pollutant and all other monitored pollutants and for flue gas temperature at the baghouse inlet, the time the use of natural gas in a Unit commenced and ended, steam flow, and oxygen extending before and after the exceedance for a period equal to the hours of averaging time for the particular pollutant; and

(2) Documentation indicating the hours when garbage was on the grate during the period of the exceedance, the causes of all emissions which occurred during the exceedance and the causes of all emissions which occurred during the exceedance and the actions taken to correct said excess emissions. Upon request, the Permittee shall submit to IDEM or the OES, as soon as practicable, any other data or information which is relevant to the exceedance.

(c) The Permittee shall submit a quarterly summary of SO_2 (lb/day) and CO (lb/day).

(d) The Permittee also shall submit Quarterly Quality Assurance Reports in accordance with 40 CFR 60, Part F, Section 5 and with the following instructions:

(1) Opacity

(A) Results of the quarter QA checks

(i) optical alignment

(ii) manual calibration and zero checks

(B) Results for all performance tests, audits, and recalibrations performed during the quarter.

(C) Reference to, and where applicable for data validity purposes, control charts of zero and span drift.

(D) Reference to, and where applicable for data validity purposes, a listing of repairs, adjustments, or maintenance of monitors.

(E) The cause and time period for bad data and for suspect data averages. (Format as in Part III)

(F) The percent valid data return (VDR)

(2) Gaseous - the data assessment report (DAR) must contain the following information:

(A) Identification and location of monitors.

(B) Manufacturer and model number of each monitor

(C) Assessment of continuous monitors data accuracy and data of assessment as determined by a RATA, RAA or CGA described in Section 5 of 40 CFR 60 Appendix F including the RA for the RATA, the A for the RAA or CGA, the RM results, the cylinder gases certified values, the CEMS responses accuracy, and calculations results as defined in Section 6 of 40 CFR 60 Appendix F.

(e) The Permittee shall report to IDEM malfunctions of any facility or emission control equipment in accordance with 326 IAC 1-6-2 and malfunctions of any monitoring system in accordance with 326 IAC 3-5. Claims that exceedances due to malfunctions are not violations shall be made pursuant to 326 IAC 1-6-4, shall be made in writing and shall be meet the definition under 326 IAC 1-2-39. The Permittee also shall report all malfunctions to the OES in accordance with the applicable regulations adopted by the OES and in effect at the time.

Compliance with Section B - Emergency Provisions will satisfy the requirement of Condition D.1.22(e).

(f) All data derived from the continuous emissions monitors and temperature monitors (other than the data submitted pursuant to paragraph 9 below) which The Permittee submits in a written report format to IDEM and the OES shall be quality assured pursuant to the approved quality assurance/quality control plan referenced in paragraph 8 below and attested as to its accuracy by the Facility and/or General Manager or Chief Engineer. All additional data which the Permittee submits in a written report format to IDEM and the OES shall be attested as to its accuracy by the Facility and/or General Manager or Chief Engineer.

Pursuant to Section B - Certification and the Part 70 permit program, certification requirements for each submission are identified in the permit. General certification requirements are contained in Section B - Certification.

(g) The Permittee shall submit the monthly report required by paragraph (a) above within fifteen (15) days from the last day of the reporting period provided however that if the report is due on a weekend or holiday, it shall be due on the following business day.

(h) The Permittee shall designate in writing to IDEM and the OES the name of an employee at the Facility and a back up employee, at the Facility to act in the absence of the designated employee, to serve as a person who will provide IDEM with all requested information and data. The Permittee may designate a new or different employee at any time by providing written notice thereof to IDEM and the OES.

(i) The Permittee shall transfer daily to IDEM and the OES via modems and compatible computer hardware owned, operated and maintained by IDEM and OES respectively, the Facility's continuously monitored raw data for the prior calendar day for all regulated pollutants, temperature, steam flow, and oxygen (or carbon dioxide). The Permittee shall obtain authorization from its software licensor to allow IDEM and OES to use the software necessary for IDEM and OES to collect and analyze the data and produce reports in the same format as the reports generated by the Permittee and submitted to IDEM and OES. The Permittee further agrees it will provide one day of training for the employees of IDEM and OES with respect to such software.

or

The Permittee alternatively shall give complete electronic access to IDEM and OES via computer connection at any time. The connection shall give IDEM and OES access to all monitoring data. This alternative requirement satisfies Condition D.1.22(i).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(b) Lime Silo equipped with a vent fabric filter for particulate control.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2, the PM emissions from the lime silo shall not exceed 0.03 grains per dry standard cubic foot.

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Compliance Determination Requirement

D.2.3 Particulate Matter (PM) Emissions

The lime storage silo fabric filter system shall operate at all times during the transfer of lime to the storage silo and during the removal of lime from the storage silo to an alternate storage area. The transfer equipment from the storage silo shall be enclosed to control particulate matter emissions.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.4 Visible Emissions Notations

(a) Visible emission notations of the transfer points exhaust shall be performed during normal daylight operations during the transfer of lime to the storage silo and during the removal of lime from the storage silo to an alternate storage area. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, “normal” means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a violation of this permit.

D.2.5 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse during the transfer of lime to the storage silo and during the removal of lime from the storage silo to an alternate storage area. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 7.0 inches of water or a range established during the latest stack test, the

Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM and shall be calibrated at least once every six (6) months.

D.2.6 Baghouse Inspections

An inspection shall be performed within the last month of each calender quarter of all bags controlling the lime silo. All defective bags shall be replaced.

D.2.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.8 Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain records of the visible emission notations of the transfer points exhaust during the transfer of lime to the storage silo and during the removal of lime from the storage silo to an alternate storage area.

(b) To document compliance with Condition D.2.5, the Permittee shall maintain records of the differential static pressure during normal operation of the lime silo baghouse.

(c) To document compliance with Condition D.2.6 the Permittee shall maintain records of the results of the inspections required under Condition D.2.6.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(c) One (1) dry activated carbon storage silo equipped with an integrated baghouse system with a maximum storage capacity of 3,000 cubic feet.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2, the PM emissions from the dry activated carbon storage silo shall not exceed 0.03 grains per dry standard cubic foot.

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Compliance Determination Requirement

D.3.3 Particulate Matter (PM) Emissions

The dry activated carbon storage silo baghouse system shall operate at all times during the transfer of activated carbon to the storage silo and during the removal of activated carbon from the storage silo to an alternate storage area. The transfer equipment from the storage silo shall be enclosed to control particulate matter emissions.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

D.3.4 Visible Emissions Notations

(a) Visible emission notations of the transfer points exhaust shall be performed during normal daylight operations during the transfer of activated carbon to the storage silo and during the removal of activated carbon from the storage silo to an alternate storage area. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, “normal” means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.3.5 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the dry activated carbon storage silo, at least once while filling the silo. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 4.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM and shall be calibrated at least once every six (6) months.

D.3.6 Baghouse Inspections

An inspection shall be performed within the last month of each calender quarter of all bags controlling the dry activated carbon storage silo. All defective bags shall be replaced.

D.3.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

D.3.8 Record Keeping Requirements

(a) To document compliance with Condition D.3.4, the Permittee shall maintain records of once per shift visible emission notations of the transfer points exhaust during the transfer to activated carbon to the storage silo and during the removal of carbon from the storage silo to an alternate storage area.

(b) To document compliance with Condition D.3.5, the Permittee shall maintain records of the differential static pressure when filling the silo.

(c) To document compliance with Condition D.3.6 the Permittee shall maintain records of the results of the inspections required under Condition D.3.6.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

Insignificant Activities:

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2, the PM emissions from each of the manufacturing activities shall not exceed 0.03 grains per dry standard cubic foot.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Branch

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Covanta Indianapolis, Inc.
Source Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Mailing Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Part 70 Permit No.: 097-5985-00123

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Affidavit (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Covanta Indianapolis, Inc.
Source Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Mailing Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Part 70 Permit No.: 097-5985-00123

This form consists of 2 pages **Page 1 of 2**

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Branch

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Covanta Indianapolis, Inc.
Source Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Mailing Address: 2320 South Harding Street, Indianapolis, Indiana 46221
Part 70 Permit No.: 097-5985-00123

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: ______________________________

Title/Position: ______________________________

Date: ______________________________

Phone: ______________________________

Attach a signed certification to complete this report.